ACCESSION NR: AT4037526

factors. The study is part of an experimental series on the castability of heat resistant alloys. The improved spiral probe (length 1300 mm, trapezoidal cross section 22 mm²) held deviations to ±6%. The vacuum suction method employed a sampling tube with inside \$\textit{\textit{\textit{\textit{m}}}} and held deviations to ±3%. Flowability increased with temperature for all tested alloys, curves were slightly convex and illustrate gradual decrease in the effect of temperature as superheating increased. Flowability decreased as content of C increased from 0.12 to 0.35%; it increased as Ni content rose to 60%, then dipped for 80% Ni. The increase is especially sharp for the initial 20% Ni. Flowability was lower in comparable carbon steels than in the named heat resistant basic systems. Alloying element admixtures decreased it in the latter (at 5% across the series Al, W, Co, Mo, Nb and Ti; at 10% in the order W, Co, Al, Mo; Nb and Ti not considered). All commercial alloys exhibited lesser flowability than the basic systems, the property deteriorating across series EI612, LA3, Khl, Kh32, 111, No. 300, No. 6 and No. 3, but surpassed the comparable carbon steels. An argon atmosphere lessens the flowability of Ni-based alloys and does not affect Fe-based alloys which do not contain Ti or Al. Orig. art. has: 12 figures.

Card 2/3

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617130004-9

ACCESSION NR: AT4037526 ASSOCIATION: Leningradskiy politekhnicheskiy institut im. M. I. Kalinina (Leningrad Polytechnical Institute)

DATE ACQ: 04Jun64 SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NQ REF SOV: 010

OTHER: 004

Card 3/3

ACCESSION NR: AT4037531

8/2563/63/000/224/0142/0152

AUTHOR: Gruzny*kh, I. V.; Kochkareva, G. P.

TITLE: Resistance to crack formation in heat resistant alloys

SOURCE: Leningrad. Politekhnicheskly institut Trudy*, no. 224, 1963. Liteyny*ye svoystva zharoprochny*kh splavov_X (Castability of heat-resistant alloys), 142-152

TOPIC TAGS: castability, heat resistant alloy, iron based alloy, nickel based alloy, austenitic steel, high alloy steel, Nichrome alloy, alloy composition, hot crack formation, hot crack resistance, solidification interval, flowability, alloy crystal size

ABSTRACT: Special equipment was developed (illustrated) to determine the minimum loads causing hot cracks to develop in samples of basic systems and commercial alloys (see Nekhendzi Yu. A., p. 9-23, this same book, for all compositions). The measurements were carried out as part of an experimental series on castability of heat resistant alloys and are charted against the liquidus-solidus range, flowability and crystal size for the

Card 1/3

ACCESSION NR: AT4037531

various compositions. Resistance to cracking drops sharply as nickel is added, from P_{Cr}=600 kg for 12/20/0 to below 200 kg for 12/20/80. The decrease is especially sharp for the initial 20% Ni (P_{Cr}~360 kg). Corresponding figures for 35/20/0 to 25/20/80 were above 700 to below 300 kg, with around 380 kg at 35/20/20. Tendency to resist formation of hot cracks is better for 0.35 than for 0.12%C and deteriorates when 1 to 3% or less Mo W, Al or Ti is added. The effect is most pronounced for W and weakest for Mo. Resistance increases as more alloying element is added, especially so for Al and Ti. Up to 5% Co did not produce a significant effect; larger concentrations produced somewhat lower resistance. Alloys 111, Khi and LA3 (P_{Cr}=300 to 350 kg) have lower resistance and alloy Kh32 (above 450 kg) has much higher resistance than the corresponding base system 35/20/20. Alloy EI612 (about 350 kg) was better than the corresponding 12/20/40 (300 kg), alloys No. 3 and No. 6 (300 to 350 kg) were better than the corresponding 12/20/80 (150 kg), and alloy No. 300 (400 kg) was better than the corresponding 35/20/80 (250 kg). No castability property of the alloys, except for the coefficient of linear shrinkage in the liquidus-solidus range, was found to be directly related to an alloy's resistance to formation of hot cracks. Orig. art. has: 7 figures.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im.M.I. Kalinina (Leningrad Polytechnical Institute)

Card 2/3

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617130004-9

ACCESSION NR: AT4037531

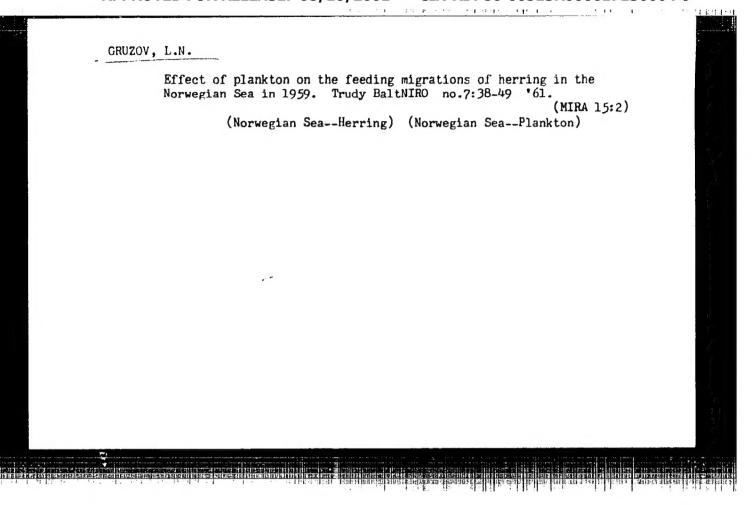
SUBMITTED: 00 DATE ACQ: 04Jun64 ENCL: 00

SUB CODE: MM NO REF SOV: 012 OTHER: 003

Card 3/3

"APPROVED FOR RELEASE: 08/10/2001

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TP 767	Gruzov, S. G.
.58	Proizvodstvo Atsetilena Dlya Gazo-Plamennoy Obrabotki Letallov Froduction
	of Acetylene for Flame Treatment of Metals, by 1.I. Strizhevskiy (1)
	S. G. Gruzov. Moskva, Mashgiz, 1958.
	87 p. Illus., Diagrs., Tables.
	At Head of Title: Moscow. Vsesoyuznyy Nauchno-Issle-Dovatel'skiy Insitat
	Avtogennoy Obrabotki Metallov. Spravochnyye Materialy Po Gazoplamennoy
g-l	Qbrabotke Metallov, Vyp. 14.
1-51-51-11-11-11-11-11-11-11-11-11-11-11	
	· · · · · · · · · · · · · · · · · · ·

GRUZOV, V.L.; MAMEDOV, V.M.; RUDAKOV, V.V.

Use of serve correctors in amplidyne automatic control systema.
Sbor.rab.po vop.elektromekh. no.7:147-157 '62.

(HIRA 16:1)

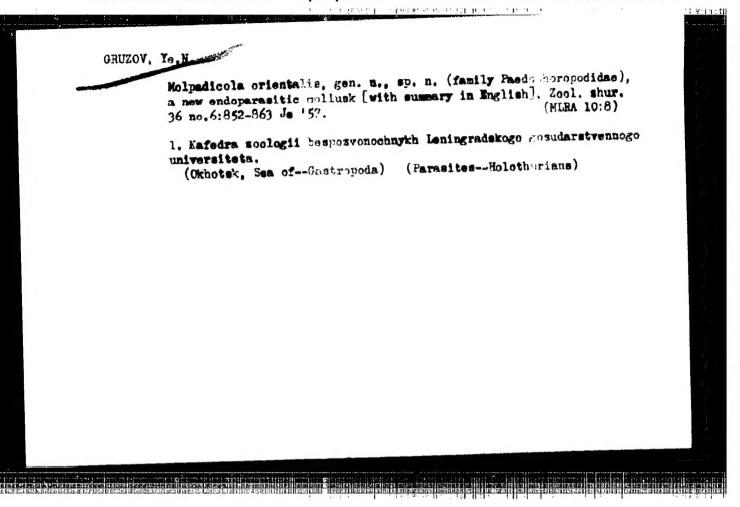
(Rotating amplifiers)

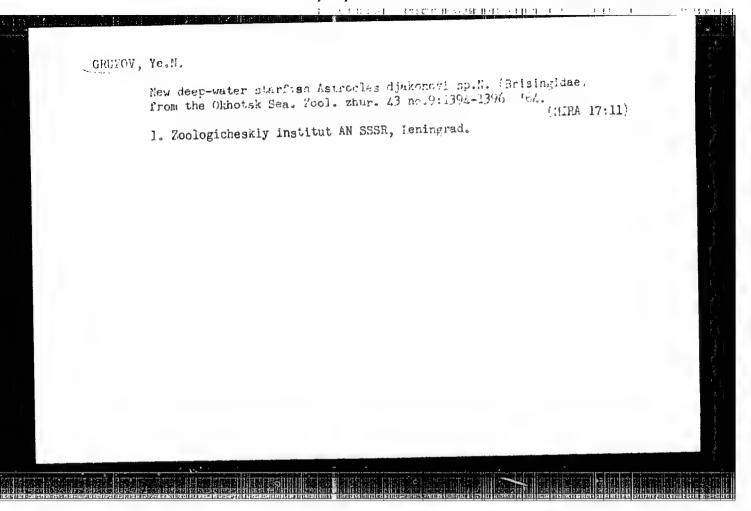
(Automatic control)

म्हणात्वर महिल्ला हार्यात । एक प्राप्त का प्

GRUZOV, Vladimir Leonidovich; NOVIKOVA, Galina Ivanovna; KOVCHIN, S.A., red.

[Transistorized frequency converters for automated a.c. drives] Poluprovodnikovye preobrazovateli chastoty dlia avtomatizirovannykh elektroprivodov peremennogo toka. Leningrad, 1964. 24 p. (MIRA 18:3)





SKARLATO, O.A.; GCLIKOV, A.M.; GRUZOV, Ye.N.

The role of diving in hydrobiological research. Okeanologita 4 no.4: 707.-719 164. (MIRA 17:10)

1. Zoologicheskiy institut AN SSSR, Leningrad.

GRUZOV, Ye.N.

Organization of the endoparasitic mollusk Asterophila
japonica Randall et Heath. Report No.1. Organization of
an adult species. Zool.zhur. 44 no.8:1152-1164 '65.

(MIRA 18:11)

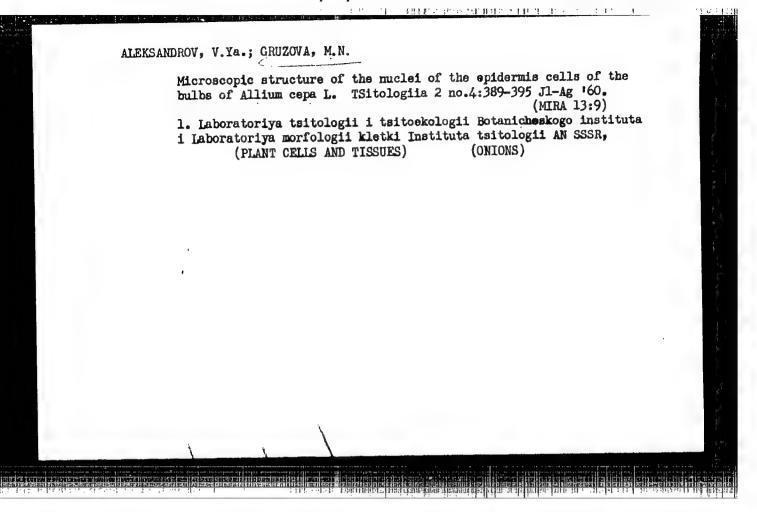
1. Zoologicheskiy institut AN SSSR, Leningrad.

GRUZOVA, M.N.

New data concerning the development of Hydra vulgaris (Pall).Dokl.

AN SSSR 109 ne.3:670-672 J1 '56. (MEA 9:10)

1. Leningradekiy gosudarstvennyy universitet imeni A.A. Endanova.
Predstavleno akademikom Ye. H. Pavlovskim.
(HYDROGEDUSAE) (EMERYCLORY---HYDROEOA)



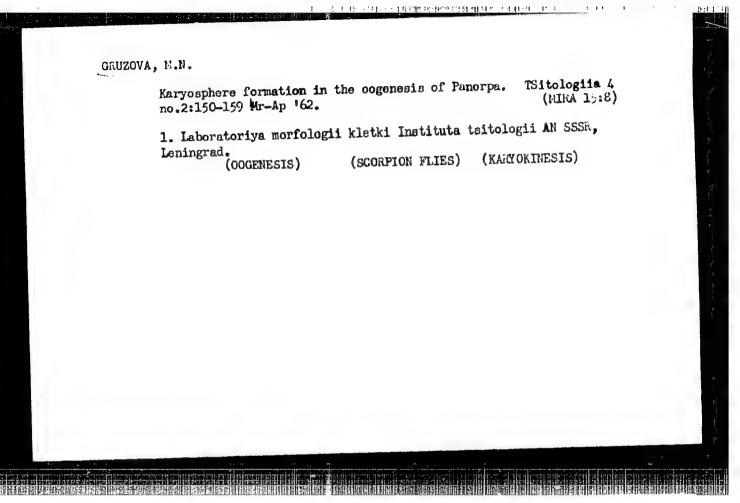
GRUZOVA, M. N.

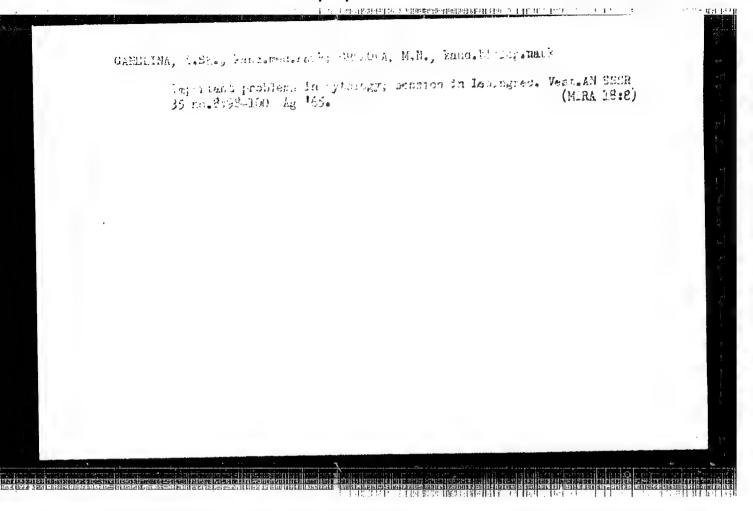
"Comparative Morphological Study of Karyospheres during the Oogenesis of Some Insects." pp. 26

Institute of Cytology AS USSR Laboratory of Cell Morphology

II Fauchmaya Konferentsuya Instituta Tsitologii AN SSSR. Tezisy Dokladov (Second Scientific Conference of the Institute of Cytology of the Academy of Sciences USSR, Abstracts of Reports), Leningrad, 1962 88 pp.

JPRS 20,63h





GARELINA, LeShe; GRUZOVA, MeNe.

General sension of the Department of Biochemistry, Biophysics and Chemistry of Physiologically Active Substances of the Academy of Sciences of the U.S.S.R. dedicated to the activities of the Scientific Council on Problems of Cytology and the Socond

re justi i propositi di propinsi di pr

Coordination Conformes on Cytclogy. TSitologia 7 no.5:692-695 S=0 465. (MIRA 18:12)

FALKIEWICZOWA, Stanislawa; GRUZOWSKI, Konstanty

Rotatory epilepsy. Neurol. neurochir. psychiat. pol. 12 no.6:839-846 '62.

1. Z Kliniki Neurologicznej AM we Wrocławiu Kierownik: prof. dr R. Arend. (EPILEPSY)

RUMNII/Laboratory Equipment. Instrumentation.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 27241.

Author : Gruzsnicki, F.

Inst

Title : Radiation Pyrometers.

Orig Pub: Metrol apl, 5, No 4, 173-178, 191-192 (1958) (in Rumanian

with German, English, French, and Russian summaries).

Abstract: A popular review. -- A. Sarakhov

Card : 1/1

APPROVED FOR RELEASE: 08/10/2001 Heat. CIA-RDP86-00513R000617130004-9" RUMANIA/Atomic and Molecular Physics - Heat.

: Ref Zhur Fizika, No 4, 1960, 8365

गर्हे । कार्रेक प्रस्ति । पिट्ट ने वार्क स्मामके स्मामके सामा विश्व । विश्व विश्व । कार्रका वा क्षा विश्व । विश

Author

: Gruzsnicki, Filip

Inst

Title

: Measurement of Temperature with Thermistors

Orig Pub

: Metrol. apl. 1959, 6, No 2, 65-70, 95, 96

Abstract

: The latest developments in the field of temperature measurements are described. The theoretical part deals with the basic elements of the operation of thermistors and their characteristics, while the applied part deals with methods of manufacturing and using thermistors. Many circuits and wiring diagrams are given, with which it is possible to use thermistors of various types for the measurement of temperatures with varying accuracies

from ±5 to ± 0.001° C.

Card 1/1

GRUZSNICZKI, F., fiz.; ISPASOIU, G., fiz.

Error evaluation in the process of graduating the standardized temperature measuring devices in Rumania. Metrologia apl 3 no.1:21-27 Ja-Mr '61.

8/058/63/000/001/008/120

AUTHOR:

Gruzsniczki, F.

TITLE:

High precision calibration of glass thermometers

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 1, 1963, 18, abstract 1 A187 ("Metrol. apl." 1962, 9, no. 2, 49 - 58, Rumanian; summaries in

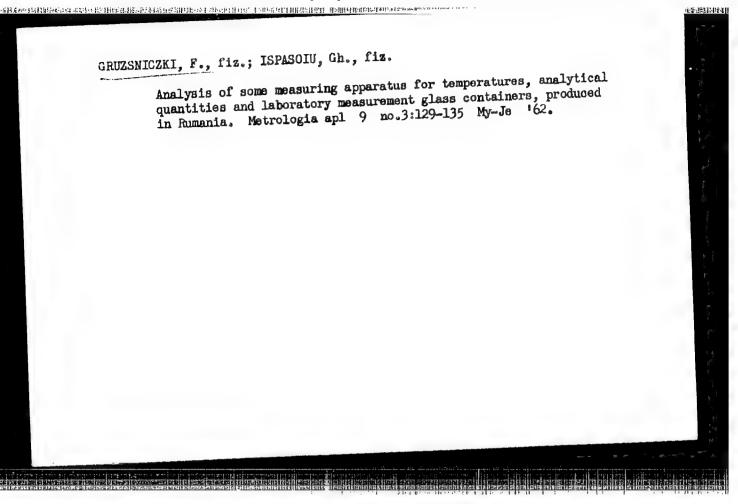
Russian, English, German)

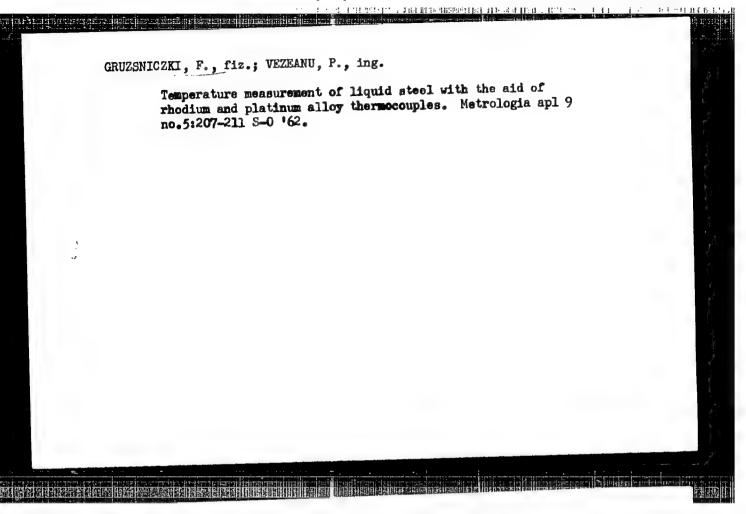
Some problems connected with a precise verification of liquid-in--glass thermometers by comparison with a platinum resistance thermometer are considered. There are described: a method of resistance measurement with the aid of a direct current, compensator; thermostats; pentane, water, oil, salt; a device for photographing liquid-in-glass thermometer indications; an inversion switch. Humerical examples are given of: 1) calculation of the temperature by successive approximations on indications of a resistance thermometer; 2) evaluation of the calibratión errors.

B. Pillpchuk

[Abstractor's note: Complete translation]

Card 1/1





FILIP GRUZSNICZKI

RUMANIA/Atomic and Molecular Physics - Heat

D-4

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5715

Gruzsniczki Filip Author

: Not Given Inst

: Equipment for Reproducing the International Temperature Scale Title

Orig Pub : Metrol. apl., 1957, No 6, 35-41

Abstract : Description of instruments used in the Institute of Metrology (Bucharest, Rumania) for establishing the following reference points: melting point of ice, triple point of H2O, boiling points of H20, S, and O2, and hardening point of gold and

silver.

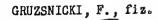
: 1/1 Card

> A procedure is described for calibrating a standard Pt-Rh --Pt thermocouple at the points of hardening of silver and gold. The values of the thermal emf are indicated to be $E_{Ag}=9132$ microvolts, $E_{Au}=10320$ microvolts. The precision of temper-

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be ± 0.05°C.

: 1/1 Card



Methods and incandescent lamp installations used to check optical pyrometers. Metrologia apl 10 no.2:65-73 F '63.

GRUZSNICZKI, F., fiz.; GHEORGHIU, A., fiz.

Cas theromometer, a basic gauge for transmission of the temperature unit. Metrologia apl ll no. 1: 19-23 Ja *64.

GRYADA, F.

Self-service in all establishments of the territory. Obshchestv.

nit. no.5:11 My '58. (MIRA 11:4)

1. Nachal'nik otdela obshchestvennogo pitaniya Upravleniya torgovli

Primorakogo kraya.

(Maritime territory—Restaurants, lunchrooms, etc.)

KALININ, S., master-povar,; YEPIKHINA, A., instructor-kulinar,; ANDRIAMOVA, S.; KUZNETSOV, F.; SIZOV, V., mester-povar,; GRYADA, F.

Advice to the cook, Obahchestve, pit. no. 8:13-15 Ag 158.

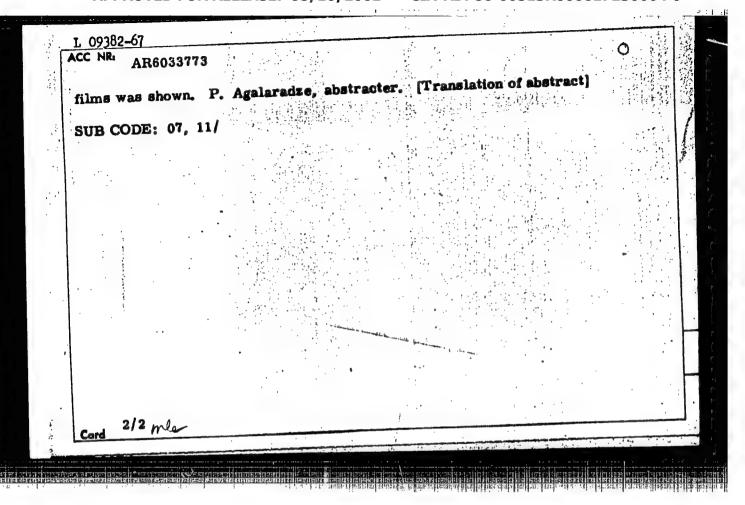
(MIRA 11:8)

1. Nachal'nik otdela obahchestvennogo pitaniya Primorskogo krayovogo upravleniya torgovli (for Gryada).

(Qookery)

 Work according to a clear graph. Obshchestv.pit. no.7:30 Jl '60. (MIRA 13:8)
l. Nachal'nik otdela obshchestvennogo pitaniya upravleniya torgovli Primorskogo kraya. (VladivostokRestaurants, lunchrooms, etc.)

EWT(m)/EWP(t)/ETI IJP(c) L 09382-67 ACC NRI ARGO33773 SOURCE CODE: UR/0058/66/000/007/A050/A050 AUTHOR: Dovgoshey, N. I.; Chepur, D. V.; Gryadil', I. A.; Nikolyuk, R. G.; Yatskovich, I. I. TITLE: Microrelief and structure of thin films of cadmium sulfide and cadmium selenide SOURCE: Ref. zh. Fizika, Abs. 7A426 REF SOURCE: Sb. Tezisy dokl. k XIX Nauchn. konferentsii. Uzhgorodsk. un-t, 1965. Ser. fiz. Uzhgorod, 1965, 25-29 TOPIC TAGS: cadmium selenide, cadmium sulfide, thermal spraying, cadmium'... film ABSTRACT: CdS_x and CdSe_{1-x} films were obtained by thermal spraying under vacuum (10-4 mm) on cold glass backings and glass backings heated to 120, 200, 250, and 300C. Cadmium sulfide and cadmium selenide powders mixed in a specific ratio served as the source material. The films consisted of small crystals of fine crystals of a substitutional solid solution of CdSx · CdSe_{1-x}. It was found that the films have a hexagonal grain orientation with an axis [0001] perpendicular to the backing. The non-correspondence of the source material composition and the Card 1/2



I. 09381-67 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR. AR6033772 SOURCE CODE: UR/0058/66/000/007/A050/A050

AUTHOR: Dovgoshey, N. I.; Chepur, D. V.; Gryadil', I. A.

TITLE: Effect of the temperature of the glass backing on structure of thin films of cadmium selenide and sulfide

SOURCE: Ref. zh. Fizika, Abs. 7A425

REF SOURCE: Sb. Tezisy dokl. k XIX Nauchn. konferentsii. Uzhgorodsk. un-t, 1965. Ser. fiz. Uzhgorod, 1965, 30-34

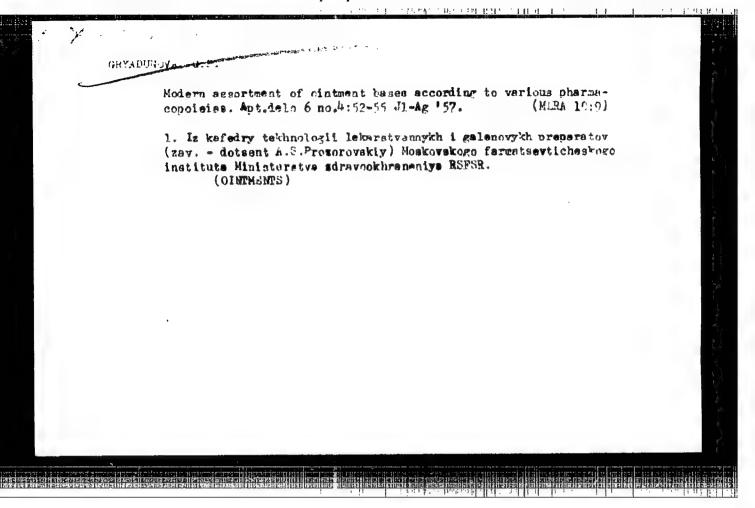
TOPIC TAGS: cadmium selenide, cadmium sulfide, cadmium film, film orientation

ABSTRACT: CdSe and CdS films were obtained by thermal spraying of the respective compounds on cold glass backings and on glass backings heated to 60 to 400C. All CdS films were shown to be grain-oriented. With $t_{\rm n}$ = 60C, the fine crystals of the films are of a hexagonal modification with an axis [0001], perpendicular to the backing. With $t_{\rm n}$ = 100—200C, a cubic CdS modification appears with an axis [111] perpendicular to the backing. The CdSe films are likewise grain-oriented. When $t_{\rm n}$ = 60—100C, the hexagon axis [0001] is perpendicular to the backing plane. The

Card 1/2

ACC NR: AR6033772		
CdSe cubic phase appears when $t_n > 150$ C. P. Agalaradze, abstracter.	[Trans-	
lation of abstract]		
SUB CODE: 11, 07/	•	
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Card 2/2 mle		100
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C NR. AP6029881	/EWT(a)/STI IJI(c) 10// 137 SOURCE CODE: UR/Old.)/66/000/015/0003/0003
THORS: Tomashevskiy, F. F.; Lar P.; Dubnova, A. L.; Rozovskiy	modman, E. M.; Aksel'rod, Sh. S.; Gryadinskaya.
RG: none	
ITLE: Nonlamellar negative elect o. 18h300 ∑announced by plant "Le	rode of an alkaline iron-nickel battery. Class 21, ninskaya Iskra" (Zavod "Leninskaya Iskra")
OURCE: Izobret prom obraz tov zn	, no. 15, 1966, 43
OPIC TAGS: electrode, battery, p	otassium compound, iron, nickel
BSTRACT: This Author Cortificate Akaline iron-nickel battery. Aft dectrode contains 1070% of meta	presents a nonlamellar negative electrode of an . er reducing the iron oxides free of impurities, the allic iron in its active volume. To simplify the liminating the operation of fusing, the potassium se their reduction. Specific weight of the potassium
SUB CODE: 10/ SUBM DATE: 109	Бөр65
hav	UDG: 621.355.8.035.222



GRYADUNOVA, G.P.: PROZOROVSKIY, A.S.

Some possibilities for expanding the assortment of ointment emulsion bases and methods for analyzing ointments. Apt.delo 6 no.5:35-41 S-0 *57. (MIRA 10:11)

Mediation of the rheological properties of ointments. Apt.
delo 8 no.4:56-63 J-Ag '59. (MIRA 12:10)

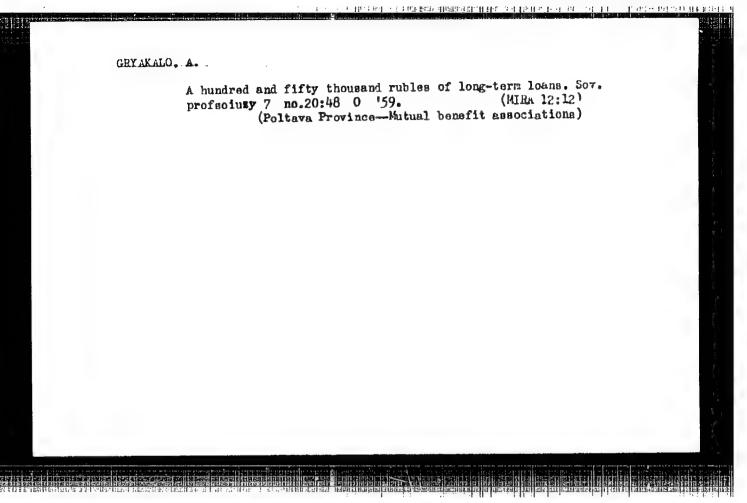
1. Iz kufedry tekhnologii lekarstvennykh form i galenovykh
preparatov (zav. - detsent A.S.Prozorovskiy) Moskovskogo
farmatsevticheskogo instituta.
(OINTMENTS) (RHEOLOGY)

GRYADUNOVA, G.P.

Data on the rheological properties of cintments. Apt.delo 8 no.6: 18-24 N-D 159. (MIRA 13:4)

1. Iz kafedry tekhnologii lekarstv i galenovykh preparatov, zav. dotsent A.S. Prozorovskiy, Moskovskogo farmatsevticheskogo instituta.

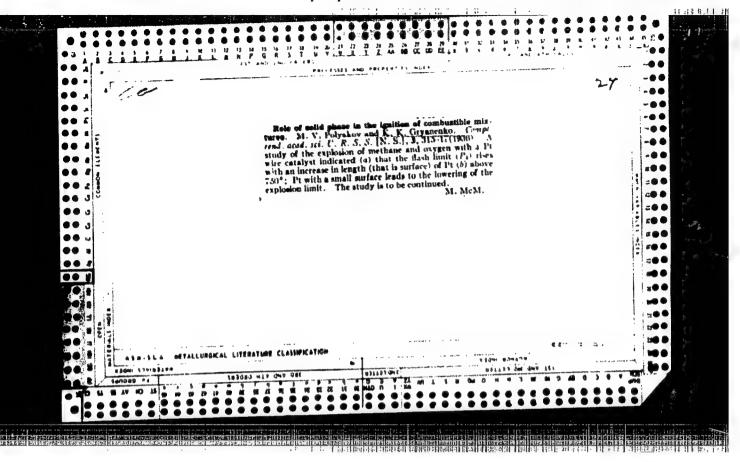
(RHEOLOGY) (OINTHESTS)

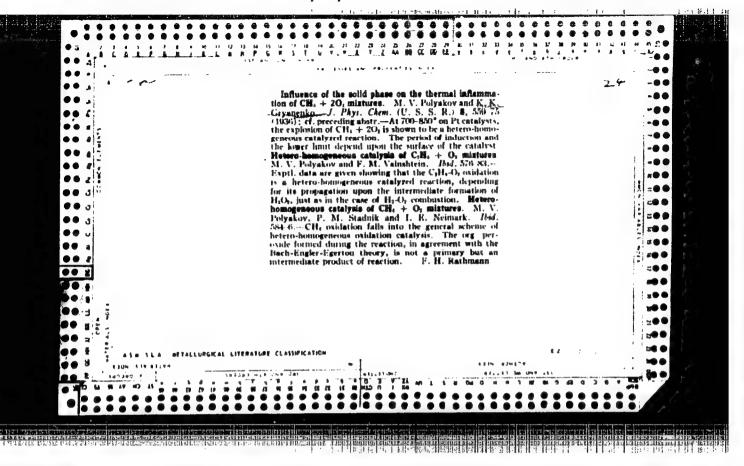


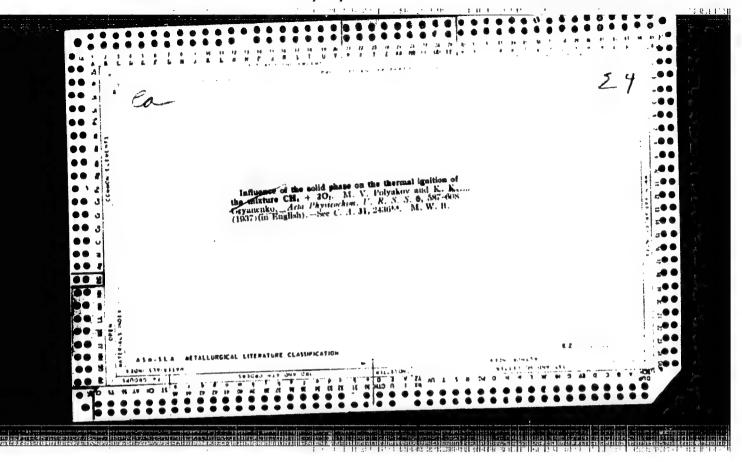
BOBROV, B.S. (Ryazan'); GRYAZNOV, A.L. (Ryazan'); GRYAKALOV, V.A. (Ryazan');
SAL'MIKOV, V.Ya. (Ryazan'); UDALOV, V.F. (Ryazan'); FROLIN, M.I.
(Ryazan'); SHKHALAKHOV, Yu.Sh. (Ryazan')

System for the automatic control of distributed objects using operating lines of automatic telephone exchanges as communication channels. Avtom. i telem. 24 no.11:1593-1596 N '63.

(MIRA 16:12)







GRYANENKO, K.K.

Bleaching properties of Poltava clays. Bent. gliny Ukr. no.2:
141-147 '58. (MIRA 12:12)

1. Poltavskiy pedagogioheskiy institut.
(Poltava--Clay)

GRYANENKO, K.K.

Serptive and bleaching capacities of Nikopol' cation substituted clays. Bent.gliny Ukr. no.3:62-67 '59.

(MIRA 12:12)

1. Poltavskiy pedagogicheskiy institut.
(Nikopol' region (Ukraine)--Glay)

GRYANENKO, K.K.; TITARENKO, N.Kh.

Physicochemical characteristics of drilling muds from Poltava clays. Ukr. khim. zhur. 29 no.4:383-387 '63. (MIRA 16:6)

1. Poltavskiy pedagogicheskiy institut. (Poltava Province—Clay) (Drilling fluids)

"APPROVED FOR RELEASE: 08/10/2001

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WASH I DOME SIZELIZATION 604/2779	abbaichealage obskahestva saakinastroitalisay yrogoklassosti. gradalage oblasisage provincia	sign perstant (Mytrofynetic Treamissions) Moscov, Mabby 255 p. (Series: Its: Treft, vp. 52) 3,000 copies printed.	Our 'you', Camifaise of Reducted Sciences Docusty Sech. Eds. L.V. Laines, Bandgag Hr. for Literature on Medites-Bailding Rechardow grad Revision, Mandgall: To.P. Banger, Reference	This book is intended for empiseering and technical personnel in the of implemile transmission. It may also be used as a tarbook for stud- per technical echools.	it The boak is a callection of 30 papers read at the first conference advance transmissions bold is independent of this 911 leaders, 1977, a her seal because of calculation, design, production and operation of byten date and because converters widely used in industry wave discussed, party "L.P. Previousness of Extractic Transmission systems and a monomic of the GRUE of the Calculate transmission are discussed.	Exhibitive, A.M. Freeent State of the Theory of Calculation of the Extraction Floor of Entrodynamic Treasmissions and Thair Deviates Development	Service Data See Problems in Calculating Spirodynasis in Services	legicorics, Ye. I. Application of the Flow Beary Teachy to the Irrestigation and Design of Aptrelia Coverters and	introgramme transmissions. Laptor Yu.B. Investigation of the Influence of Dasis Generalizable Managaries of Macorn on the Characteristics of one-side Apdroulic Conventers	[hitibor, B.E. Inflamos of Bydraulic Converter Parameters and the Transitation Satio on the Dynamics of Starting	Simiror, M.F. Experience is Desighing Froducing, and Operating Marine Eydrealis Franceissions	Preduct, A.P. Experience is Designing, Preducing and Testing Mydrealic Converters	olegor, V.A. Influence of the Combined Characteristics of privatic Conversers and Internal Combustion Engines on Besic Missoure Plant.	gaing, feating, and Operating Turbo- conduit Hechanisms (Bed in the Petroleum	Design for a	Alexandrolly, D. In. Characteristics of Severalug Chips T Beach of Hitrocite the Americations 182	Morgan, M.O. Investigation of Clutches in the Ryd-wills 1985 Mollimary Laboratories of the Academy of Stiesce, USOR 1989	Originator, 5.52 Fydrapochanisal Transmissions of Hiss 201 Sisset Care	drived, i.f., and v.F. Chesorehoy, done Problems of Private of Pri		
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GRYANKO, L.P.; CHASOVSKOY, V.P.

Some problems in the terminology of hydrodynamic transmissions.

[Izd.] IONITOMASH 52:207-216 '59. (MIRA 12:12)

(O11 hydraulic machinery)

GRYANKO, L.P., inzh.

เมลงจุดเลยเป็นและเกิดของเลย รายเกิดรายประจากให้เป็นจัดเกิดเก็นให้เ

Study of the operating conditions of a hydraulic torque converter with a centrifugal turbine. Izv. vys. ucheb. zav.; energ. 4 no.3:98-105 Mr '61. (MIRA 14:3)

1. Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina. (Hydraulic turbines)

Investigation of the effect of the outflow edges of the suction blade of a hydraulic torque converter on the nature of the flow in the circulatory cycle. Izv.vys.ucheb.zav.; energ. 4 no.4:103-108 Ap (61. (MIRA 14:5))

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. (Hydraulic machinery)

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GRYANKO, L.P., inzh.

Experimental study of the flow in the circulation circle of a hydraulic torque converter with a centrifugal Francistype turbine. Izv. vys. ucheb. zav.; energ. 5 no.1:111-118 Ja *62. (MIRA 15:2)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. (Hydraulic turbines)

GRYANNO, L.P.

Experimental investigation of the effect of methal angular position of blade profiles on the flow structure in the circulation cycle of a hydraulic transformer with a centrifugal turbine.

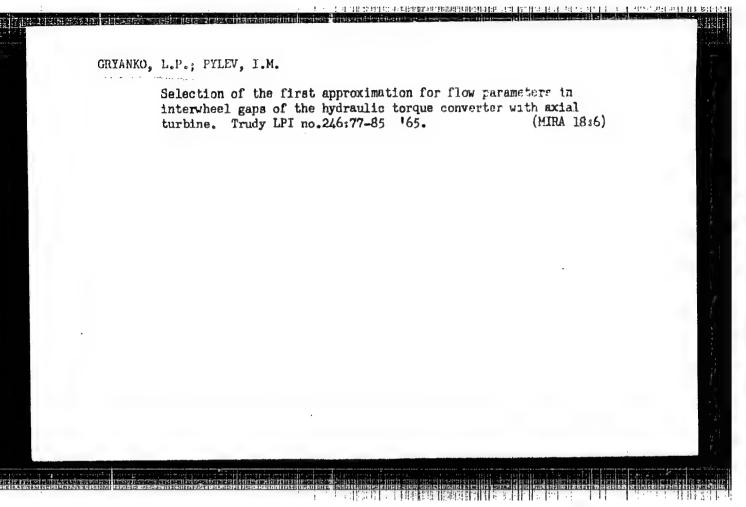
Trudy LPI no.215:183-195 '61. (HIRA 14:11)

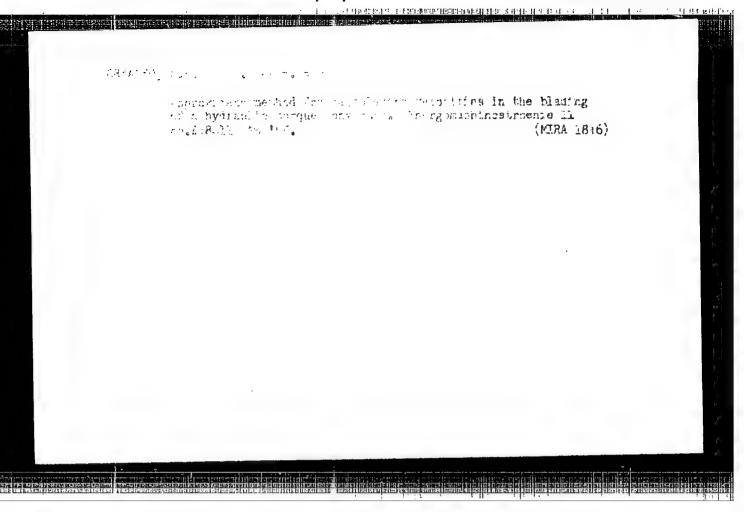
(Hydraulic machinery)

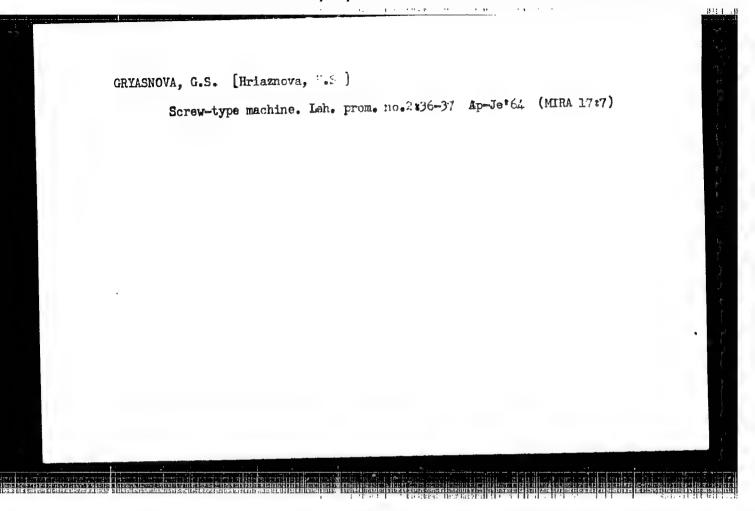
GRYANKO, L.P., inzh.

Some results of the analysis of the circulatory flow in the hydraulic torque converter of a centrifugal Francis-type turbine. Izv.vys.ucheb.zav.; energ. 5 no.5:111-118 My 162. (MIRA 15:5)

l. Leningradskiy politekhnicheskiy institut imeni M.Í.Kalinina, Predstavlena kafedroy gidravlicheskikh mashin. (Hydraulic turbines)







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SOV/137-58-8-16715

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 69 (USSR)

AUTHOR: Gryazev. A.P.

TITLE:

Improving the Electrical Conditions in Wet-process Electrostatic Precipitators at the H₂SO₄ Plant of the Ust'-Kamenogorsk Lead-zinc Kombinat (Uluchsheniye elektricheskogo rezhima mokrykh elektrofil'trov na sernokislotnom zavode Ust'-Kamenogorskogo svintsovotsinkovogo kombinata)

PERIODICAL: Sb. materialov po pyleulavlivaniyu v tsvetn. metallurgii.

Moscow, Metallurgizdat, 1957, pp 157-159

ABSTRACT:

A communication is presented on the measures taken to improve electrical conditions in plate-type wet-process electrostatic precipitators (EP) for removing H₂SO₄ fog, As, and Se from the gases in the contact method of H₂SO₄ production:

1) The EP substation was placed under the management of the H₂SO₄ plant, making for improved servicing of the substation;

2) heating of the EP quartz transfer insulators to a temperature of 130-170°C;

3) switching the resistors to 2 ohm resistance, removing them from the control panels, and connection of paired resistors working in parallel to reduce overheating

Card 1/2

SOV/137-58-8-16715

Improving the Electrical Conditions in Wet-process Electrostatic (cont.)

of the coils. As a result of these measures, the electrical conditions in the EP were improved considerably, and the unit current was increased to 0.105-0.110 milliamps per running meter of active corona-discharge electrode length. With normal EP function, the H₂SO₄ fog contents comes to 0.005 g/nm³. A test is made of a self-recording instrument to determine the fog contents in the purified gases by a photometric method developed by the VNIITsvetMet.

G.G.

- 1. Electrostatic precipitators—Design
- 2. Electrostatic precipitators—Electrical properties

Card 2/2

CHERON REPORT OF THE PROPERTY OF THE PROPERTY

GARTMAN, V.A.; GRYAZEV, A.T.; KIRILLOV, G.A.; KOGAN, S.M., redsktor; RAKHMATULLIN, I., teknnicheskiy redsktor

[Centralized drying and cleaning of raw cotton at precurement stations] Opyt tsentralizovannoi sushki i ochiatki khlopkasyrtsa na zagotovitel'nykh punktakh. Tashkent, Gos.izd-vo
UzSSR, 1956. 39 p.
(Cotton)

L 31326_66 EEC(k)_2/EWT(1)/EWA(h)

ACC NR: AP5026508 SOURCE CODE: UR/0286/65/000/019/0039/0039

AUTHORS: Gryazev, G. V.; Anfilov, V. Ye.; Shevchenko, T. G.; Stepanov, Yu. N.

B

ORG: none

TITLE: A generator-vector meter for determining the amplitude-phase frequency characteristics of quadripoles. Class 21, No. 175127

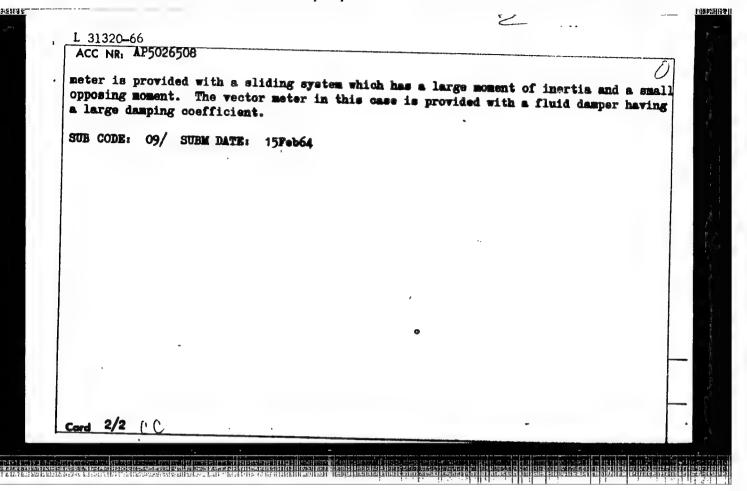
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 39

TOPIC TAGS: vector study, phase characteristic, damping factor

ABSTRACT: This Author Certificate presents a genrator-vector meter for determining the amplitude-phase frequency characteristics (AFCHKH) of quadripoles. The device contains an infralow frequency generator (for producing two 90° phase-shifted voltages) and a ferrodynamic system vector meter. It is designed to make possible the use of the device for determining the AFCHKH in the lower part of the infralow frequencies by measuring the instantaneous values of the amplitude and phase of the signals. The vector meter is provided with a sliding system which has a small moment of inertia and a large opposing moment. The vector meter is also provided with an air damper with a small damping coefficient, and with flat extensions for insuring two-dimensional freedom of the sliding system and for producing the opposing moment. In order to broaden the working range in the upper part of the infralow frequencies by means of measuring the average values of the amplitude and phase of the signals, the vector

Card 1/2

UDC: 621.317.757



STUXOV, M., inzh.; GRYAZEV, I., agronom

Near future of the district. Sei's strois 16 nos6:20 Je '61s (MIRA 14:7)

(District Alegional planning)

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GRYAZEV, I.I.

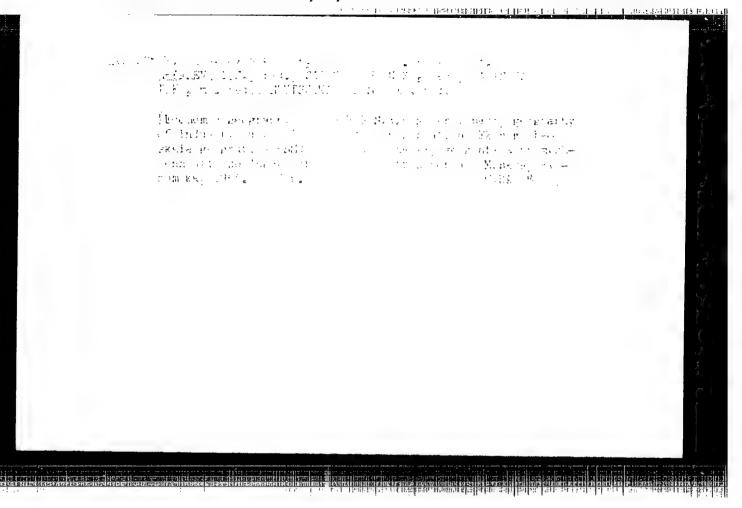
Let us reduce to a minimum the losses in crop yields, Zashch. rast. ot vred. i bol. 8 no.3:7-8 Mr 163. (MIRA 17:1)

1. Nachal'nik Ul'yanovskoy stantsii zashchity rasteniy.

GESHTOVT, Yu.N., aspirant; MAKAROV, V.S.; YEPANESHEMKOV, I.E.; DAYNICHENKO, G.S., aspirant; GRYAZEV, I.I.

Economic effectiveness of the use of herbicides. Zashch. rast. ot vred. i bol. 9 no.2:9-11, 32 '64.

1. Kishinevskiy sel'skokhozyaystvennyy institut (for Daynichenko).
2. Nachal'nik Ul'yahovskoy stantsii zashchity rasteniy (for Grazev). 3. Severnyy filial Kazakhskogo instituta zashchity rasteniy, Kokchetav (for Geshtovt). 4. Starshiy agronom po zashchite rasteniy Nerchinskogo proizvodstvennogo upravleniya, Chitinskaya obl. (for Makrov). 5. Glavnyy agronom po zashchite rasteniy Gorodetskogo proizvodstvennogo upravleniya, Gor'kovskaya obl. (for Yepaneshenkov).



Pneumatic vibrating tie tempers. Ehil.-kom.khoz. 10 no.3:
28-29 '60. (MIRA 13:7)

1. Nachal'nik Upravleniya tramvaynogo khozyaystva g.\$talingrada (for Gryazev). 2. Stalingradskiy institut inzhenerov gorodskogo khozyaystva (for Svetlopolyanskiy).

(Railroads--Ties)

CRYAZEV, M. (g. Stalingrad); SVETLOPOLYANSKIY, V. (g. Stalingrad);

MIKHKYSV, N. (g. Stalingrad)

Pneumatic track lifter. Zhil.-kom.khoz. 10 no.9:26-27 '60.
(MIRA 13:9)

(Street railways--Track)

Great power. Sov.shakht. 10 no.10:42 0 '61. (MIRA 14:12)

1. Shakhta "Severnaya" tresta Kemerovougol'.
(Trade unions)
(Coal mines and mining)

12300

3/125/60/000/010/010/015 A161/A135

AUTHORS: Svetlopolyanskiy, V.I., Gryazev, M.I., Svetlopolyanskaya, T.P.

TITLE: Nonferrous Hard-Facing of Ferrous Metals by the Electro-Slag Process

PERIODICAL: Avtomaticheskaya svarka, 1960, No. 10, pp. 64-66

TEXT: The Stalingrad Mining Engineering Institute has developed a new technique for the hard-facing of steel and cast iron with copper and bronze. The essence of the method is illustrated in Fig. 1. The surface to be hard-faced may have any shape. It has to be surrounded by common molding materials and flux has to be filled into the mold. Flux of the AF-3464 (AN-3484) type was used by the Institute, in a 30-50 mm deep layer. The work surface was carefully cleaned, and a single-phase (T3-24 (STE-24) welding transformer with a FCT3-24 (RSTE-24) current regulator was employed. The arc is excited between the electrode and the work surface to melt the slag, the arc burns several seconds, and a stable electro-slag process begins. Copper was fused onto steel with 300 amp and 25 volt current, and a hard-facing speed of 6 mm/sec. The layer being built-up forms from the melting copper electrode and fusing Card 1/5

X

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Nonferrous Hard-Facing of Ferrous Metals by the Electro-Siag Process

base metal. The joint is stable and without pores or cavities. The hardfacing quality is very high, due to the molten slag layer shielding the liquid copper from the air. The process is quiet without splatter. The welding current can be calculated using the formula I $_{t_0} = (1.25 \pm 8)$ F, where I B is the welding current in amp., and F the electrode cross section area. in mm2. When building up copper on cast iron, a copper sheet or fine copper chips were put under the slag layer, and a 16 mm diameter carbon electrode is used (for coating 20 x 40 mm specimens); the welding current was 250 amp, 25 volt, and the welding speed 4 mm/sec. The hardness of the built-up layer was $H_B = 114 \text{ kg/mm}^2$. Ep 04(5-5-5 (Br.OTsS 5-5-5) bronze was fused by a 16 mm diameter graphite electrode and either bronze strip or bronze chips were put under the slag; a welding current of 300 amp and 35 volt, and a melting speed of 5 mm/sec were used. It was found that the fusion depth may be increased by raising the current, reducing the cross section area of the electrode (melting or not), and slowing down the melting process. Hard-facings of any depth may be produced, and the joint is of high quality. The process makes possible an unlimited economy of nonferrous metals. The described Card 2/5

V

S/125/60/000/010/010/015 A161/A133

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Nonferrous Hard-Facing of Ferrous Metals by the Electro-Slag Process

technology has been introduced at the Stalingrad Street Car Administration, for the repair of bearings, hard-facing of copper onto steel conductors, and repairing defects on cast iron and steel parts. There are 5 figures and 4 Soviet-bloc references.

ASSOCIATION: Stalingradskiy institut inzhenerov gornogo khozyaystva (Stalin-

grad Mining Engineering Institute)

SUBMITTED: May 5, 1960

Card 3/5

SVETLOPOLYANSKIY, V.I.; GRYAZEV, M.I.

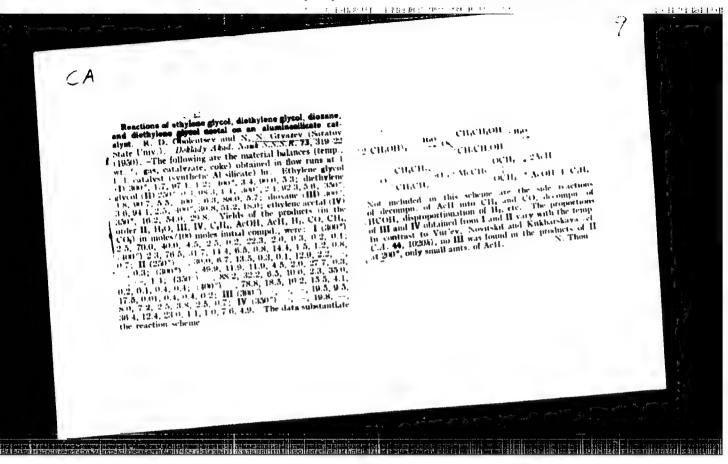
Electric slag hard facing of cutters. Avtom. svar. 18 no.4: 57-58 Ap '65. (MIRA 18:6)

1. Volgogradskiy institut inzhenerov gorodskogo khozyaystva (for Svetlopolyanskiy). 2. Volgogradskoye tramvaynoye upravleniye (for Gryazev).

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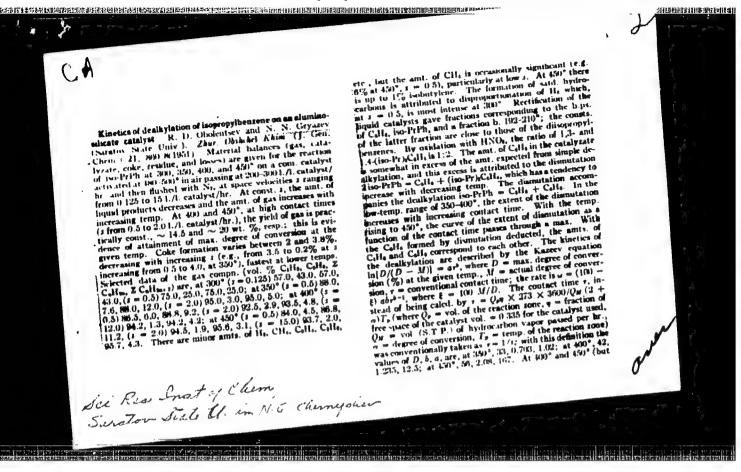
Dealhylation of isogropylbonasses on an aluminositicate establet. R. D. Obulentsev and N. N. Gryngev (Cham. Research Inst., N. G. Cheryshev State Tulev., flarator). Deblady Abad. Nach S.N.S.R. 73, 121–4(1940).—In a flow system at 330° (space velocities 0.5–4.0 k,f., catalynt/hr.), 400° (1.0–12.0), and 450° (1.0–15.0), iso-FrPh (I) yields gaseous preducts consisting mainly of Chlq. with some adminit. of Cplq.; at 350°, there is also seems ame. of Chlq., increasing with the contact time r (up to 4.4 val. 75); at 400–50°, the gas includes also small amin. of Hg. Collq. Callq. Callq. and Cellu. By fractionation, liquid products contain essentially Cellq, and a fraction b. 180–10° identified (by outdation with KhlfnO₃) as mainly a mixt. of 1.3–(iso-Fr)₂Cellq, and 1.4–(iso-Fr)₂Cellq in the ratio 1:2. Consequently, the main reaction (a) I = Cellq is accompanied by a dissentation reaction (b) 2 I = Cellq is accompanied by a dissentation reaction (b) 2 I = Cellq is reaction (b) was 30°, 40° the total Cellq (at 350°), the lowest to 2% (at 450°). The rate of the dealkylation is not describable by any classic kinetic equation, but can be described by in [D/(D = x)] = or³,

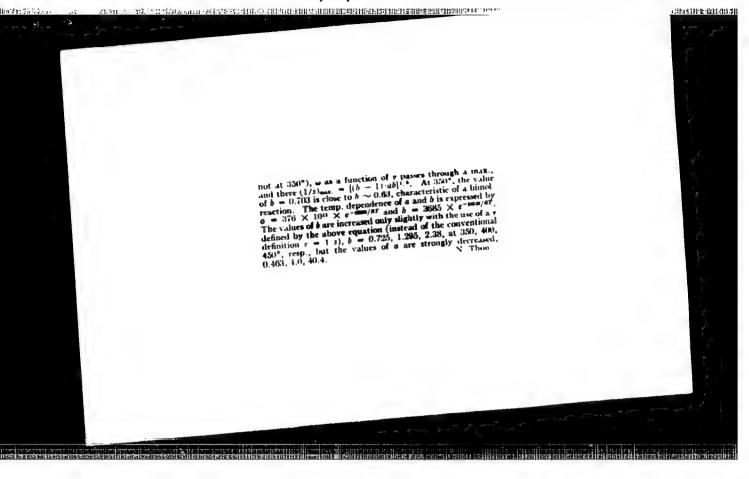
where $D=\max$, degree of dealkylation, in %, at the given temp.; x= observed degree of dealkylation; r= contact time in sec. The parameters a and b are related to the rate w by $w=(160-8)abr^{k-1}$, where k= degree of dealkylation at the time r expressed in % of the max. dealkylation D at the given temp. Rapti. numerical values of D, a, and b, are, at 350° , 33, 0.463, and 0.725; at 400° , 40, 40, and 1.365; at 400° , 40, 40, and 4.36° , and 4.36° , the apparent order of the reaction is close to binod. ($b \sim 0.63$). The temp, dependence of a and b is expressible by $a = 376 \times 10^{11} a^{-min/187}$, $b = 376 \times 10^{11} a^{-min/187}$. Important of the area of the respective of a second and a in expressible by $a = 376 \times 10^{11} a^{-min/187}$, $b = 376 \times 10^{11} a^{-min/187}$. Important of the area of the area of the respective of a second a and a is a concept of a branches of another analysis, the ribuspy segrenative of the archive intermediate would be a 1st order reaction at 480° , essentially of the 2tel order at 400° ,. N. Those or at least partly of the 3rd order at 300° . N. Those

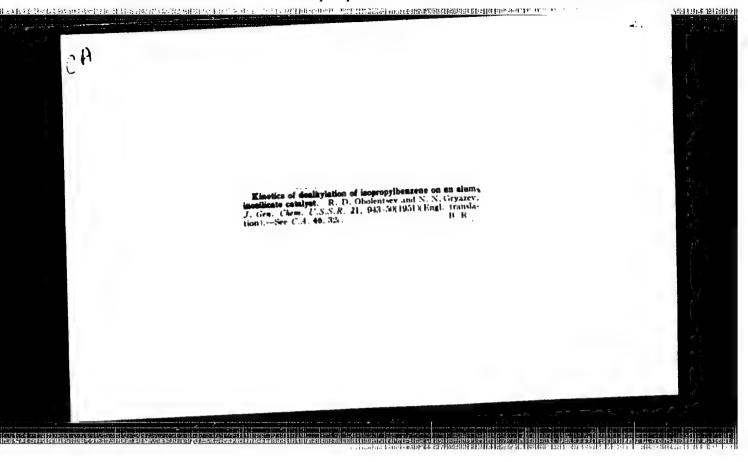


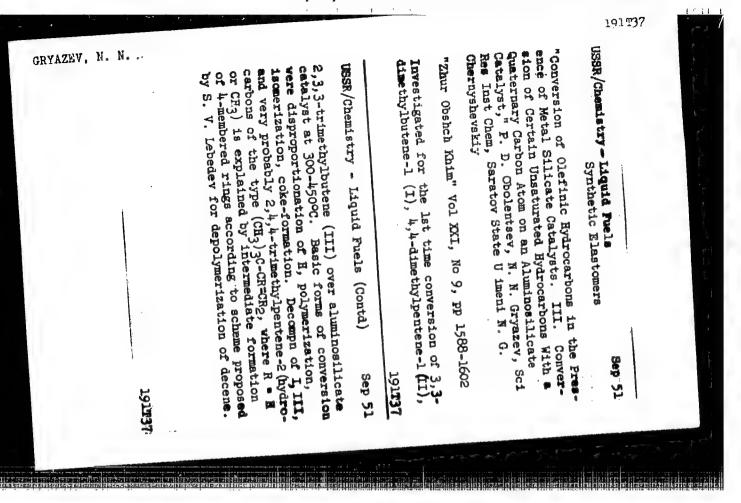
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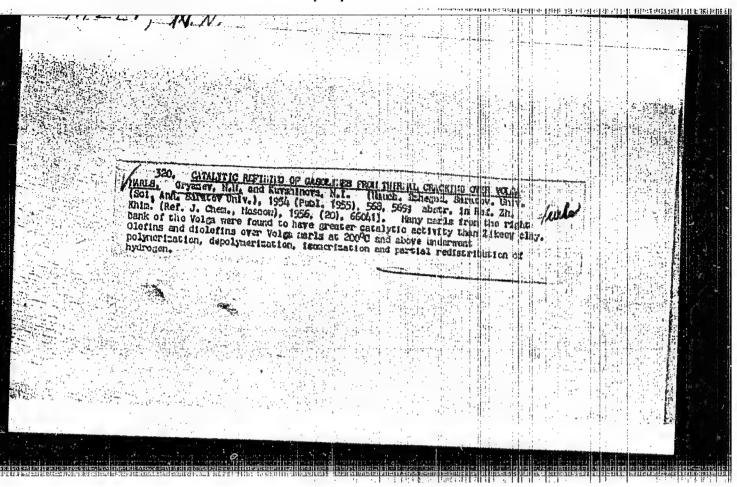
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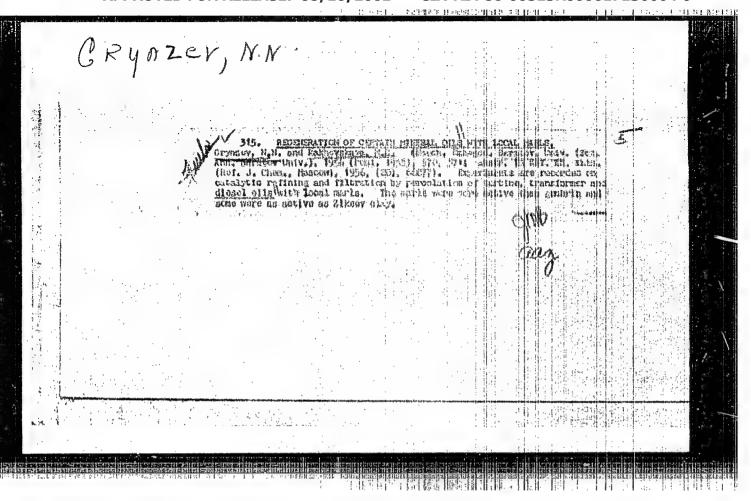






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GRYAZEV, N.N., kandidat khimicheskikh nauk; RAKHOVSKAYA, S.M., inzhener;
TRAKHTMAN, B.N., inzhener.

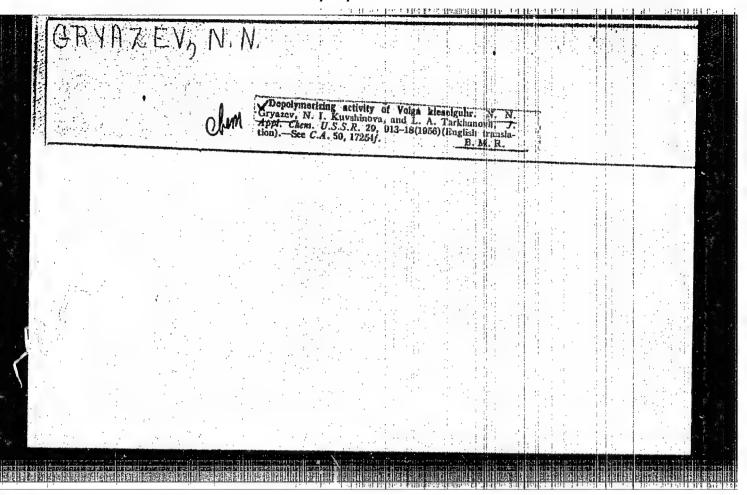
Volga region diatomities as adsorbents for continuous recovery of transformer oil. Elek.sta. 25 no.12:33-34 D *54.(MLRA 7:12)

(Diatomaceous earth) (Insulating oils)

GRYAZEV, N.N.; KUVSHINOVA, N.I.; TARKHANOVA, L.A.

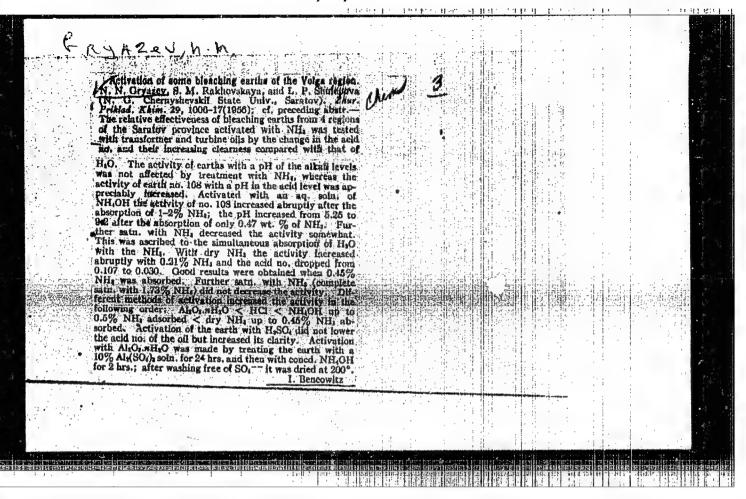
Depolymerizing action of the Volsk kieselguhr. Zhur.prikl.khim. 29 no.6:841-847 Je '56. (MLRA 9:9)

l.Mauchno-issledovatel'skiy institut khimii pri Saratovskom gosudarstvennom universitete. (Diisobutylene) (Volsk--Kieselguhr)



"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617130004-9



GRYAZEV, N.N.; RAKHOVSKAYA, S.M.; SHULEPOVA, L.P.

Activation of bleaching earths of the Volga region. Zhur.prikl. khim. 29 no.7:1006-1017 Jl '57. (MIRA 10:10)

1. Nauchno-issledovatel'skiy institut khimii pri Saratovskom gosudarstvennom universitete im. N.G. Chernyshevskogo. (Volga Valley-Bleaching agents)

AUTHOR:

Gryazev, N. N.

20-1-34/58

TITLE:

The Influence of the Association of Organic Acids on Their Adsorption From Non-Polar Solvents (Vliyaniye assotsiatsii organicheskikh kislot na adsorbtsiyu iz nepolyarnykh rastvoriteley)

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 1, pp. 121-124 (USSR)

ABSTRACT:

The present work studies the influence of the association of some organic acids on the character of their adsorption from cetane and α -methylnaphtalene with natural and artificial adsorbents. As adsorbent one of the most active mold boxes from the Wolga area and an industrial silica-gel sample of the KCK brand were selected. The activity of these samples had been studied already earlier. The constants of cetane and α -methanaphtalene are given. The adsorption experiments were carried out at a temperature of 60° and in some cases at 20°. Two diagrams show the isothermal lines of the adsorption of formic acid from cetane. Because of the limited solubility of the formic acid-cetane system the isotherm has the characteristic S-shape. Another diagram shows the isotherms of the adsorption of acetic acid from cetane in mold box n. 120 as well as on silica-gel KCK.

Card 1/2

APPROVED FOR RELEASE: Ø8/10/2001 CIA-RDP86-00513R000617130004-9"

AUTHOR:

Gryazev, K. N.,

20-2-32/60

TITLE:

The Adsorption From Three-Component-Solutions (Adsorbtsiya iz trekhkomponentnykh rastvorov)

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 2, pp. 317-320 (USSR)

ABSTRACT:

The author ascertained the isothermal curves of the adsoption of ternary stystems in a large interval of concentrations and he constructed the spatial isothermal curves of the adsorption of these systems. This work gives the results on the adsorption from a three-component systm (acetic acid -lauric acid - cetane). A highly active adsorbent was used. The adsorption experiments were performed according to the method, which was usually employed in the Laboratory for Adsorption of the State University of Moscow (Laboratoriya adsobtsiya MGU). Much attention was paid on the analyses of the three-component mixtures. The author elaborated a special method for the analysis of the above mentioned ternary mixtures, whereby the different solubility of the components of the mixture in water was used. This method shortly is described here. A diagram illustrates the spatial isothermal curve of the adsorption of acetic acid from the ternary mixture of

Card 1/3

The Adsorption from Three-Component-Solutions

20-2-32/60

acetic acid with lauric acid and cetane. In certain plane the isothermal curve of the adsorption of acetic acid from cetane (if lauric acid is not present) is existing. The presence of lauric acid influences very much the degree of adsorption and also the form of the isothermal curves. In case of the adsorption of only CH_3COOH from cetane (or also if small quantities of C11H23C00H are present), the isothermal curves have an S-like character. In case of high values of C3 (obviously the concentrationof C11H23COOH) the system examined here becomes soluble unlimitedly and the isothermal curve passes (if $C_3 = const$) through a maximum. On occasion of increasing equilibrium-concentrations of the lauric acid the adsorption decreases, and this particularly quickly, if C3 ~ 100-200 mM/1. Another diagram illustrates the adsorption of both acids from the ternary mixture. The general character of the isothermal curves of adsorption qualitatively remains the same, as it is given in the diagrma, if C2 = const or C3 = const. The alternate restriction of the adsorption of all components influences the intensity as well as the character of the isothermal curves of adsorption. There are 3 figures, and 5 references, 4 of which are Slavic.

Card 2/3

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617130004-9

The Adsorption from Three-Component-Solutions

20-2-32 60

ASSOCIATION:

State University imeni M.V. Lomonosov, Moscow (Moskovski) gosudarstvennyy universitet im. M.V. Lomonosova)

PRESENTED:

July 1, 1957, by M.M. Dubinin, Member of the Acedemy

SUBMITTED:

June 29, 1957

AVAILABLE:

Library of Congress

Card 3/3

GRYAZEV, N. N., Doc Chem Sci (diss) -- "Modeling the processes of purifying certain petroleum products using bleaching earth from the Volga region". Moscow, 1959. 29 pp (Moscow State U im M. V. Lomonosov), 150 copies (KL, No 25, 1959, 127)

SOV/76-33-7-20/40 Gryalev, N. N., Kiselev, A. V. Adsorption Isothermal Lines From Three-component Solutions 5(4)AUTHORS; Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 7, FP 1581-1593 TITLES The development of adsorption chromatography of multi-component PERIODICAL: mixtures requires investigation of the adsorption equilibrian, i.e. of the adsorption isothermal lines (AI) of the compenents of such mixtures. The (AI) of the following liquid there-compose ABSTRACTS nent solutions were investigated in this case; ceters (I)
+ actic acid (II) + lauric acid (III), (I) + (II) + paleithe
acid (IV) and (I) + (II) + \(\precedent{\substantial}\) and (I) + (II) + \(\precedent{\substantial}\) and (I) + (II) + \(\precedent{\substantial}\) authors those these mixtures because (I) and (IV) serve the purpose of modeling the adsorptive receneration of mineral olls; on the other hand; (II) is soluble in (I) to a certain extent; while (III) and (IV) are perfectly soluble in (I), and because the influence exercised by a variation of the solubility of the three-component solutions upon their adsorption can be investigated. One of the most active sedimentation rocks with a Card 1/3

Adstration Isothermal Lines From Three-component

SOV/75-33-7-20/40

S: Latiens

high silica content, called "opok" (Nr 120 from the area round the village of Kamennyy Yar, Stalingrad oblast!) and am industrial KSK-4 silica gel were used as adsorbents. The characteristic values of the mixture components applied are giver. Adsorption experiments were made by a method devised by the Laboratoriya adsorbtsii Moskovskogo universiteta (Laboratoriya for Adsorption of Moscow University) (Ref 15). An ITR-2 interferometer and an IRF-22 refractometer were used for analyzing the binary systems. The method of analysis of the three-compoment solutions and the evaluation of the results obtained are described. Three-dimensional diagrams illustrate the resultant (AI). The authors found that additions of the third component to the binary mixture decrease the adsorption of the components and change the course of the (AI). A change in the sclubility of the components from limited into unlimited solubility effects 5 variation of the S-shaped isothermal lines into lines with a

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Adsorption Isothermal Lines From Three-component SC7/76-33-5-50/40

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maximum. The component that is better edsorbed from the binary mixture is also better adoorbed from the three-compensati winture. The absolute (AI) of the components of the systems under discussion are similar for such of the two suplicati adsorbents. There are 13 figures and 18 references, 15 of which

are Soviet.

ASSOCIATION: Mosk-wakiy gosudarstvennyy universitet in. H. V. Lowers core

(Mospow State University imeni M. V. Lomenosor)

SUBMITTED

January 9, 1958

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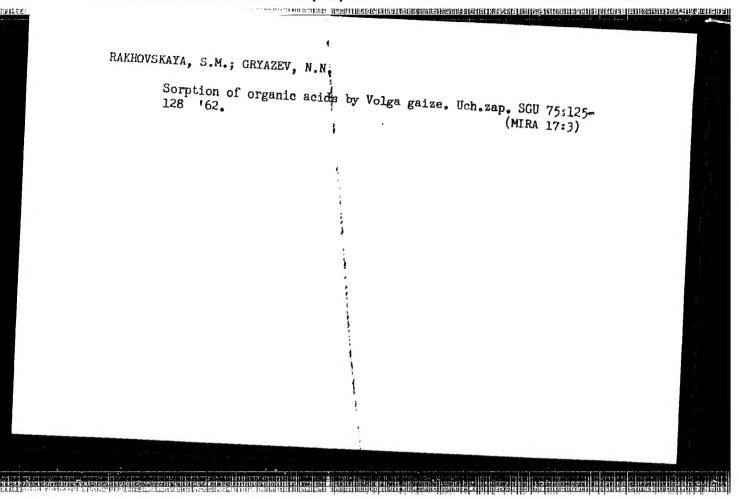
ORYAZEV. N.N.; RAKHOVSKAYA, B.M.

Processes of the adsorption refining of mineral oils. Khim.i tekh.topl.i masel 5 no. 11:23-29 N *60. (MIRA 13:11)

1. Saratovskiy avtomobil'no dorozhnyy institut i Nauchnoissledovatel'skiy institut khimii pri Saratovskom universitete im. N.G. Chernyshevskogo. (Mineral oils) (Adsorption)

CRYAZEV, N.M.; KUVSHINOVA, N.I.

Transformations of 2,4-dimethyl-1,3-pentadiene in the presence of aluminosilicates. Uch.zap. SGU 75:71-72 '62. (MIRA 17:3)



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L 42107-65 EPF(c)/EWT(m)/T ACCESSION NR: AT5008634	Px-4 WE S/2933/64/007/004/0200/0204
AUTHORS: Gikht, B. M.; Gryaz Kyakushina, S. M.; Perfilova, TITLE: Dependence of adsorpticatelyst surface	ve catalytic desulfurisation of dissal fuel on a
SOURCE: AN SSSR. Beshkirskiy; sodershashohikhaya v neftyakh:	filial. Khimiya seraorganicheskikh soredineniy, i nefteproduktakh, v. 7, 1964, 200-204
ABSTRACT: The relative activitin adsorptive-catalytic purific were studied experimentally. The sizes were determined by the adorpment acids. The adsorbent-catalica pal. and have its acids.	cies of various catalytic agents and adsorbents cation of diesel fuels from organic sulfur compounds to specific adsorption surfaces and their pore isorption isotherms of various hydrocarbons and catalysts were mostly alimosilicates, an alumogel, synthetic as well as natural alumosilicates, the canined constant. The specific activity of bauxite

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the major role played by the ization could be attributed	alumosilicate car to the complex	elysts in die	sel fuel desi	dfur-	
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During desulfurisation, coke the surface of the catalyst requires special regeneratio tables, 1 figure, and 1 for	n of the contentes	sulfur comport fective cataly ted surfaces.	uida were dep tio area. T Orig. arb.	osited on his hes: 2	
ASSOCIATION: Saratovskiy po neftepererabatyvsyushchiy za Saratov Petroleum Refining P		stitut, Sarato va (Saratov Po	wekty Lytechnic In	stitute,	
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